

# Amélie Fondevilla | C.V.

Researcher in Computer Graphics

27 years old, french citizen.  
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<https://www.afonde.com/>

## WORK EXPERIENCE

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- 2020 - 2021 **Postdoc in the STORM team (IRIT), with David Vanderhaeghe**  
Project ANR Structures : Hierarchical motion representation for stylized rendering + *complementary teaching at Université de Toulouse III (Paul Sabatier)*
- Feb - Jun 2016 **Research Internship at Inria Grenoble and Inria Sophia Antipolis**  
Modeling sewed objects from a single-view input, supervised by Adrien Bousseau and Stefanie Hahmann.
- Jul - Aug 2015 **Engineering Internship at Smart Me Up (Meylan, France)**  
Creation of a website embedding an image analysis system, with a corresponding Android app. *Web programming (HTML5, php, Javascript). Communication with an external client.*

## DIPLOMAS

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- 2016 - 2019 **PhD in Computer Science - Imagine team (Inria Grenoble, UGA)**  
Reverse-Engineering Fashion Products : From a single-view Sketch to a 3D Model, supervised by Stefanie Hahmann and Damien Rohmer + *complementary teaching at Ensimag - Grenoble INP*
- Sep - Dec 2015 **Exchange student at University of Calgary (Canada, AB), graduate courses in Computer Graphics**
- 2013 - 2016 **Engineering degree (eq. MSc) from Ensimag , path Mathematical Modeling, Image and Simulations**
- 2011 - 2013 **French CPGE (Lycée Louis Barthou, Pau), path Mathematics and Physics**

## SELECTED PUBLICATIONS

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### - Fashion Transfer: Dressing 3D Characters from Stylized Fashion Sketches.

Amélie Fondevilla, Stefanie Hahmann, Damien Rohmer, Adrien Bousseau, Marie-Paule Cani.  
in : Computer Graphics Forum, *to appear*. [ [Paper](#) ]

### - Patterns from Photograph: Reverse-Engineering Developable Products.

Amélie Fondevilla, Adrien Bousseau, Damien Rohmer, Stefanie Hahmann, Marie-Paule Cani.  
in : Computers and Graphics. Special Issue on SMI 2017 66 (Aug. 2017), pp. 4-13. doi : [10.1016/j.cag.2017.05.017](https://doi.org/10.1016/j.cag.2017.05.017). [ [Paper](#) ]

### - Interactive procedural simulation of paper tearing with sound.

Thibault Lejemble, Amélie Fondevilla, Nicolas Durin, Thibault Blanc-Beyne, Camille Schreck, Pierre-Luc Manteaux, Paul G. Kry, Marie-Paule Cani.  
in : 8th ACM SIGGRAPH Conference on Motion in Games, MIG '15. Paris, France: ACM, Nov. 2015, pp. 143-149. doi : [10.1145/2822013.2822029](https://doi.org/10.1145/2822013.2822029). [ [Paper](#) ]

### - SkelNetOn 2019: Dataset and Challenge on Deep Learning for Geometric Shape Understanding.

Ilke Demir, Camilla Hahn, Kathryn Leonard, Geraldine Morin, Dana Rahbani, Athina Panotopoulou, Amélie Fondevilla, Elena Balashova, Bastien Durix, Adam Kortylewski.  
in : The IEEE Conference on Computer Vision and Pattern Recognition (CVPR) Workshops. June 2019. [ [Paper](#) ]

## SKILLS

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### IT

- C++ (OpenGL), C,
- Python, Matlab,
- git, LaTeX.

### Language

- French, native,
- English, advanced,
- Spanish, basics.

## INTERESTS

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### Academic

- Sketch-based modeling/animation,
- Digital painting.

### Personal

- Drawing, painting,
- Animation movies,
- Artistic Gymnastics.

## VOLUNTEERING ACTIVITIES

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- Cooperative supermarkets  
*l'Elefân*, Grenoble (2017-2019), *la Chouette Coop* Toulouse, since 2020
- Alternatiba Grenoble (2018-2019)  
association promoting ecological alternatives - *communication activities, event planning*
- Bureau des Sports Ensimag (2013-2014) and organization of the Gala Ensimag 2015  
*communication activities (billboards, video clips), and food planning for social events*
- Gymnastics judge and coach at *la Bigourdane de Tarbes* (2009-2011)